

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions and listing of claims in the application:

1. (Original) A switch characterized by the functional integration of current and/or voltage measuring devices on-board of the switch itself.
2. (Original) The switch of Claim 1, characterized in the functionally integrated current and/or voltage measuring devices provide primary current and voltage representative signals to an on-board electronic device to realize the measure, process, and protection functions as a whole.
3. (Original) The switch of Claim 1, characterized by the physical integration of current and/or voltage measuring devices within the switch.
4. (Original) The switch of Claim 3, characterized in that the physical integration of current and/or voltage measuring device is realized by integratio of said device in the pole itself.
5. (Original) The switch of Claim 3, characterized in that the physical integration of current and/or voltage measuring device is realized by integration of said device on the pole contact arm.
6. (Currently Amended) The switch according to ~~any of the previous claims~~ Claim 1, characteized in that the current measuring device is realized by a Rogowsky coil.
7. (Currently Amended) The switch according to ~~any of the claims from 1 to 5~~ Claim 1, characterized in that the current measuring device is realized by an array of Hall effect current sensors.

8. (Currently Amended) The switch according to ~~any of the previous claims~~Claim  
1, characterized in that the voltage measuring device is realized by a capacitive coupling using  
the current measuring device itself as capacitive electrode.